

Monday, November 14/11

CCCF Program - Sheraton Downtown Toronto

Plenary Round Table Report**Moderators:** N. Ferguson - B. Kavanagh

EAST 08:00-08:15	M. Ranieri	A new ARDS definition
08:15-08:20	T. Evans	Editorial comment
08:20-08:30		Discussion

WJ Sibbald Critical Care Systems Symposium - The Big Picture View **Moderators:** R. Fowler - D. Scales

EAST 08:30-08:50	D. Angus	ICU services & regionalization - 50,000 foot view
08:50-09:10	J. Iwashyna	Improving patient outcomes by improving interhospital transfer
09:10-09:30	S. Halpern	Strains on an ICU's capacity to provide optimal care
09:30-09:50	G. Rubenfeld	Do Specialized Units Improve Outcomes?
09:50-10:00		Discussion

Sepsis I - Therapeutics**Moderators:** H. Wong - J.L. Vincent

WEST 08:30-08:50	K. Walley	Vasopressors in septic shock
08:50-09:10	S. Bagshaw	Diuretic Therapy in AKI
09:10-09:30	H. Wong	Novel biomarkers for septic shock associated renal failure
09:30-09:50	R. Zarychanski	Use of anticoagulants to modulate host inflammation in sepsis
09:50-10:00		Discussion

Sedation - The Basics - Mechanisms, Methods and Current Approaches **Moderators:** J. Granton - K. Walley

A 08:30-08:45	J. Granton/K. Walley	Welcome Remarks and Introduction
08:45-09:00	B. Orser	How do Sedatives Work? - Insights at the molecular level
09:00-09:15	M. Avidan	Measuring Sedation - Lessons from the ICU and the OR
09:15-09:30	D. Bainbridge	Cardiac Surgery - Patient flow and economics
09:30-09:45	D. Mazer	Procedural Sedation - The essentials
09:45-10:00	W. Ely	What is Delirium... and how do we reduce it?
10:00-10:15		Discussion

10:00-10:30**Break****Critical Care Systems II - Processes at the Bedside** **Moderators:** B. Cuthbertson - J. Iwashyna

EAST 10:30-10:50	JD. Chiche	Do We Need Bundles in Clinical Practice?
10:50-11:10	S. Halpern	ICU Readmissions - Do Bouncebacks Matter?
11:10-11:30	B. Cuthbertson	Team Leadership in the ICU

Sepsis II - Definitions to Mechanisms**Moderators:** C. Deutschman - R. Zarychanski

WEST 10:30-10:50	J.L. Vincent	Sepsis definitions : evolution of our concepts
10:50-11:10	D. Angus	Epidemiology of sepsis
11:10-11:30	C. Deutschman	Is sepsis a neurologic disease?

Sedation -The Clinical Evidence - Making Sense of the Patient Data **Moderators:** J. Granton - K. Walley

A 10:30-10:45	T. Girard	The Clinical Evidence - Making Sense of the Patient Data
10:45-11:00	D. Zygun	Sedation Considerations in brain injured patients
11:00-11:15	Y. Skrobik	Measuring delirium - How bad is it?
11:15-11:30	J. Devlin	Economics in sedation - Responsible use of the ICU budget

Monday, November 14/11

LATE BREAKING PLENARY - Activated Protein C Moderators: N. Ferguson - B. Kavanagh

EAST	11:30-11:45	T. Thompson/M. Ranieri	Results of the Prowess-Shock Study
	11:45-11:50	P. Hebert	Editorial Comment
	11:50-12:05	J. Janes	The APC Story - Perspective from Ely Lilly
	12:05-12:20	C. Deutschman	The APC Story - Perspective from a Clinician
	12:20-12:30		Discussion

12:30-13:30 Lunch - in Exhibit Hall

Extracorporeal Life Support (ECLS) I - Beyond Mechanical Ventilation Moderators: P. Park - M. Cypel

EAST	13:30-13:50	E. Fan	ECLS for Respiratory Failure: Everything Old is New Again
	13:50-14:10	D. Brodie	Enough evidence for ECMO in ARDS? - Beyond CESAR
	14:10-14:30	M. Ranieri	ECCO2R - Facilitating Ultra-Lung Protective Ventilation?
	14:30-14:50	S. Keshavjee	ECLS as a bridge to lung transplant
	14:50-15:00		Discussion

Resuscitation

Moderators: L. McIntyre - S. Reynolds

WEST	13:50-14:10	S. Magder	Does Fluid Responsiveness Imply Fluid Need?
	14:10-14:30	L. McIntyre	Crystalloids or Colloids: Do we have an answer yet?
	14:30-14:50	R. Zarychanski	The management of Massive Transfusion.
	14:50-15:10	J. Marshall	Active deresuscitation - Does it have a role?
	15:10-15:20		Discussion

ICU Communication I

Moderators: D. White - C. Parshuram

A	13:30-13:50	A. Amaral	Lost in translation: Handing over in ICU
	13:50-14:10	S. Carson	Improving family communication in ICU
	14:10-14:30	T. Thompson	Patient- and family-centered care in an MICU
	14:30-14:50	D. White	Resolving Intractable Disputes about Goals of Care in ICUs
	14:50-15:00		Discussion

Michael Ward Translational Biology Symposium Moderators: J. Hutchison - C. Dos Santos

C	13:30-13:40	J. Hutchison	Introduction of the Michael Ward Lecture
	13:40-14:10	T. Evans	Hemoxygenase in the pathogenesis of ALI
	14:10-14:30	W. Lee	Microvascular leak as a therapeutic target in sepsis
	14:30-14:50	I. Douglas	Regional heterogeneity in VILI: Role of MKP-1/DUSP
	14:50-15:00		Discussion

Meet the Professor - Intimate & Interactive

VIP	13:30-14:10	M. Singer	Case Studies: What would you do next?
	14:10-14:15		Discussion
	14:15-14:55	JL. Vincent	How to: Give a Talk / Write a Paper
	14:55-15:00		Discussion

Monday, November 14/11

15:00-15:30

Break - in Exhibit Hall

ECLS II - Cases & Discussion

Moderators: E. Fan - D. Brodie

EAST 15:30-15:50 A. Guerguerian
15:50-16:10 P. Park
16:10-17:00
16:50-17:00

Opportunities for minimizing cerebral morbidity with ECLS
Transport on ECLS - The Michigan Experience
3 Difficult Cases - Panel Discussion - Brodie; Cypel; Park; Henzler
Discussion

When (& if) to Give Blood?

Moderators: J. Lacroix - S. Magder

WEST 15:30-15:50 J. Lacroix
15:50-16:10 A. Turgeon
16:10-16:30 P. Hebert
16:30-16:50 K. Karkouti
16:50-17:00

Appropriate transfusion in pediatric ICU
Transfusion in neurocritical care: where's the evidence?
Transfusions in Acute Care - Too Much?
Transfusions in Acute Care - Too Little?
Discussion

ICU Communication II - A No Holds Barred Smackdown **Moderators:** R. Fowler - K. Mahon

A 15:30-15:50 M. Happ
15:50-16:10 C. Parshuram
16:10-16:30 K. Mahon
16:30-16:50 R. Fowler
16:50-17:00

Nurse-patient communication in ICU: the SPEACS study
Communication in the ICU
What RNs should say to staff physicians....but don't
What MDs should say to nurses.....but are afraid to
Discussion

CCCCF-CCCS - Resident Oral Abstract Presentations **Moderators:** A. Fox-Robichaud - T. Thompson

C 15:30-15:45 A Chau Feasibility study to compare videolaryngoscopy versus direct laryngoscopy in critically ill patients
15:45-16:00 N Côte Factors associated with decisions to withdraw life-sustaining therapies in critically ill patients with severe traumatic brain injury: a canadian multicentre cohort study
16:00-16:15 Dun Yuan Zhou Conferred susceptibility to acute and ventilator induced lung injury by adoptive bone marrow transfer of myeloid cells lacking atf3 expression
16:15-16:30 H Kanji Emergency cricothyroidotomy: a randomized crossover trial comparing percutaneous needle first versus incision first techniques
16:30-16:45 W Luksun Sedation after cardiac surgery using volatile anesthetics: evaluator blinded, randomized trial of efficacy and safety.
16:45-17:00 J McNally 25-Hydroxy Vitamin D concentrations in critically ill children: deficiency rates and relationship with illness severity

Meet the Professor - Intimate & Interactive

VIP 15:30-16:10 K. Hillman
16:10-16:15
16:15-16:55 JD. Chiche
16:55-17:00

How I run my MET Team
Discussion
How I manage ARDS
Discussion

Plenary RCT

Moderators: J. Singh - S. Lapinsky

EAST 17:00-17:15 S. Mehta
17:15-17:20 W. Ely
17:20-17:30

Results of the SLEAP Study
Editorial Comment
Questions and Panel Discussion

Tuesday, November 15/11

Settling (only) for Best – Shaping Excellence ICU Care - EAST

Introduction

Moderators: B. Kavanagh - N. Ferguson

08:00-08:05 A. Slutsky Introductions
08:05-08:15 Hon D. Matthews Welcome Address

Plenary Address

Moderators: MJ. Haddad - B. Kavanagh

08:15-08:35 S. Fitzpatrick Excellent ICU Care for All – Is Good Ever Good Enough?
08:35-08:55 Discussion

Perspectives on ICU Quality

Moderators: R. Howard - A. Slutsky

09:00-09:20 C. Misak I'm an ICU Survivor - An academic's reflections on critical care
09:20-09:40 J. Marshall I'm a Physician – What quality means to practitioners
09:40-10:00 P. Crawley I'm a Newspaper Publisher – Health Care, Quality & Politics:
The untouchable meets the unaffordable
10:00-10:30 Questions & Discussion

10:30-11:00

Break - in Exhibit Hall

Economics of Quality

Moderators: B. McLellan - R. Fowler

11:00-11:20 J. Silber Quality in Healthcare – You get what you pay for
11:20-11:40 R. Bell Rewarding Improvement to Effect Practice Change -
A CEO's Perspective
11:40-12:00 M. Singer Quality & Value in Healthcare – Lessons from infection control
12:00-12:30 Questions & Discussion

12:30-13:30

Lunch - in Exhibit Hall

Moving On - Building on Success in Quality Improvement (QI) **Moderators:** S. McIntaggart - B. Cuthbertson

13:30-13:50 D. Cook QI - Ethical Imperatives and Ethical Implications
13:50-14:10 P. Hebert Advancing the Science of QI - The Role of the Journal Editor
14:10-14:30 T. Evans Governance and Guidance of QI – The Role of Regulators
and Royal Colleges
14:30-15:00 Questions & Discussion

15:00-15:30

Break - in Exhibit Hall

Quality: Reporting, Changing & Rewarding High Quality **Moderators:** T. Stewart - M. Monk

15:30-15:50 G. Rubenfeld Do We Need More Public Reporting?
15:50-16:10 M. Morgan Is the 'Quality Agenda' worth it?
16:10-16:30 D. Scales Pay for Performance – Approaches of Professional Societies
16:30-17:00 Questions & Discussion

Tuesday, November 15/11

ALI/ARDS Pathogenesis

Moderators: C. Dos Santos - H. Wong

WEST 09:00-09:20	C. Deutschman	Heat shock proteins and the modulation of ARDS
09:20-09:40	T. Evans	RAGE in ARDS
09:40-10:00	N. Meyer	Genetic insights to ALI pathogenesis
10:00-10:20	C. Dos Santos	The role of transcriptional regulation in VILI
10:20-10:30		Discussion

Ventilation I - Synchrony, Weaning & Prolonged Ventilation **Moderators:** S. Carson - F. Lamontagne

A 09:00-09:20	N. Meyer	Using ventilator waveforms to optimize patient ventilator synchrony
09:20-09:40	D. Henzler	New modes to enhance synchrony & weaning
09:40-10:00	L. Rose	Prolonged ventilator weaning - The Ontario experience
10:00-10:20	S. Carson	Prognosis in prolonged ventilation - predictive models
10:20-10:30		Discussion

10:30-11:00

Break - in Exhibit Hall

Infections in the ICU

Moderators: J. Muscedere - I. Douglas

WEST 11:00-11:20	A. Morris	Can early, broad-spectrum antibiotics be harmful?
11:20-11:40	J. Muscedere	Procalcitonin guided antibiotic therapy for infections in the ICU
11:40-12:00	G. Rubinfeld	CMV in the ICU, prevent, treat, or ignore?
12:00-12:20	JD. Chiche	ICU acquired immunoparalysis in the immunocompetent
12:20-12:30		Discussion

Ventilation II - NIV and ALI Prevention **Moderators:** N. Hill - L. Rose

A 11:00-11:20	S. Lapinsky	NIV Overview - Indications & Interfaces
11:20-11:40	N. Hill	Optimizing your NIV program
11:40-12:00	D. Henzler	How to ventilate the patient without ALI
12:00-12:20	P. Park	Results of the Lung Injury Prevention Study
12:20-12:30		Discussion

12:30-13:30

Lunch - in Exhibit Hall

Cardiac ICU I - Focus on Heart Failure **Moderators:** K. Walley - P. Brindley

WEST 13:30-13:50	N. Hill	Acute right heart failure in the ICU
13:50-14:10	S. Magder	Physiological and clinical consequences of diastolic dysfunction
14:10-14:30	K. Walley	Molecular mechanisms of myocardial dysfunction in sepsis
14:30-14:50	M. Singer	New drug approaches to treating heart failure
14:50-15:00		Discussion

Networks For Clinicians

Moderators: J. Marshall - S. Carson

A	13:30-13:50	S. Lee	Building Registries
	13:50-14:10	E. Fan	A clinical laboratory
	14:10-14:30	T. Thompson	Lessons from ARDSNet
	14:30-14:50	J. Marshall	InFact: Globalizing investigator-led research
	14:50-15:00		Discussion

Symptom Management

Moderators: C. Dale - D. Griesdale

C	13:30-13:50	MB. Happ	What are the key ICU symptoms?
	13:50-14:10	L. Rose	Assessing & preventing pain
	14:10-14:30	D. Griesdale	Preventing complications – The airway
	14:30-14:50	S. Lapinsky	Lung symptoms, pregnancy & ICU
	14:50-15:00		Discussion

15:00-15:30

Break in Exhibit Hall

Cardiac ICU II - CPR

Moderators: R. Wax - J. Hutchison

WEST	15:30-15:50	P. Brindley	CPR in the ICU: Why do we bother?
	15:50-16:10	R. Wax	New Approaches for in-hospital cardiac arrest
	16:10-16:30	A. Guerguerian	ECMO in the Cardiac Arrest Setting
	16:30-16:50	L. Morrison	How to Cool Post-Cardiac Arrest.... SPARC Results
	16:50-17:00		Discussion

Disparities in ICU Care

Moderators: M. Herridge - N. Adhikari

A	15:30-15:50	J. Iwashyna	Disparities across social lines
	15:50-16:10	N. Adhikari	Resource differences and sepsis care
	16:10-16:30	S. Carson	The elderly (vs. the rest of us)
	16:30-16:50	M. Kho	Do guidelines equalize care?
	16:50-17:00		Discussion

Plenary

Moderators: S. Lapinsky - K. Hillman

EAST	17:00-17:30	M. Buist	How I nearly MET my maker; a true story of survival in an Australian Hospital
	17:30-17:40		Questions & Discussion

Wednesday, November 16/11

International Meeting of Rapid Response Systems - WEST

RRS Plenary

Moderator: S. Reynolds

08:00-08:30 G. Smith
08:30-08:40

The Chain of Prevention
Questions & Discussion

Monitoring & Recognition

Moderator: S. Reynolds

08:40-09:00 M. De Vita
09:00-09:20 M. Buist
09:20-09:40 G. Smith
09:40-10:00

All hospitalized patients should be monitored
Monitoring technologies we need now and tomorrow
MET Criteria: Which criteria are best
Questions & Discussion

Social: Changing Culture

Moderator: M. DeVita

10:30-10:50 K. Hillman
10:50-11:10 B. Lawless
11:10-11:30 K. Hillman
11:30-11:50 D. Jones
11:50-12:10 D. Jones
12:10-12:30

Universal implementation of a RRS across 250 hospitals
Changing national healthcare culture
Organizational Culture Differences
Barriers to triggering the RRS
Evaluation of Social Science Interventions
Discussion - ALL

Education

Moderator: K. Hillman

13:30-13:50 G. Smith
13:50-14:10 M. De Vita

Educating ward (floor) staff
Teaching the responders

The Debaters

Moderator: Buist

14:10-14:30 P. Brindley
14:30-14:50 R. Wax
14:50-15:00

Do RRSs "Dumb Down" Floor Staff: No!
Do RRSs "Dumb Down" Floor Staff: Yes!
Audience questions - ALL

Research

Moderator: D. Jones

15:30-15:50 B. Sarani
15:50-16:10 C. Parshuram
16:10-16:30 M. Buist
16:30-16:50
16:50-17:00

The Year in Review
The Year in Review - Paediatrics
Audit Criteria for RRS
Discussion - ALL

Wrap up - K. Hillman, M. Devita and S. Reynolds

Wednesday, November 16/11

Plenary RCT

Moderators: B. Cuthbertson - N. Ferguson

EAST 08:00-08:15 T. Thompson OMEGA Trial Results
08:15-08:20 B. Cuthbertson Editorial Comment
08:20-08:30 Discussion

Rehabilitation & Long-term Outcomes

Moderators: M. Herridge - D. White

EAST 08:30-08:50 E. Fan ICU-acquired weakness and the role of early rehabilitation
08:50-09:10 M. Kho ICU Rehabilitation - the Physiotherapist's Perspective
09:10-09:30 M. Herridge Rehabilitation after Critical Illness: What should this look like?
09:30-09:50 H. Wunsch Long-term mortality after critical illness
09:50-10:00 Discussion

Research Awards

Moderators: A. Robichaud - C. Dale

EAST 10:00-10:15
Garner King Award
Alan Spanier Award
Special Merit Awards
Best clinical study poster (MD/graduate track)
Best basic science poster (MD/graduate track)
Best scientific poster (Allied Health Track)
Best quality assurance poster (Allied Health Track)

Neuro Critical Care I

Moderators: D. Zygun - A. Turgeon

A 08:30-08:50 A. Guerguerian Neurofunctional monitoring in patients (or children) with critical illness
08:50-09:10 J. Hutchison How to use biomarkers of ischemic and traumatic brain injury.
09:10-09:30 A. Turgeon Prognosis determination and withdrawal of life sustaining therapy in TBI
09:30-09:50 H. Bayir Assessing and Modulating Oxidative Stress
09:50-10:00 Discussion

ARDS Therapeutics

Moderators: M. Meade - B. Winston

C 08:30-08:50 B. Kavanagh What causes VILI?
08:50-09:10 F. Lamontagne Steroids in ARDS
09:10-09:30 M. Meade Neuromuscular Blockade in ARDS
09:30-09:50 N. Adhikari Current utilization of HFO in adults
09:50-10:00 Discussion

10:00-10:30

Break - in Exhibit Hall

End of Life Care

Moderators: S. Halpern - G. Rubenfeld

EAST 10:30-10:50 H. Wunsch Intensity of treatment at the end of life
10:50-11:10 J. Downar Why do patients request DNR/Full Code Orders?
11:10-11:30 S. Halpern Behavioral economics and end-of-life decision-making
11:30-11:50 D. White Understanding Physician-Surrogate Discordance about Prognosis
11:50-12:00 Discussion

Neuro Critical Care II

Moderators: J. Singh - A. Guerguerian

A 10:30-10:50 D. Zygun NABIS: RCT of Hypothermia in severe TBI
10:50-11:10 A. Baker Long-term effects of low-level trauma
11:10-11:30 J. Singh Mechanical ventilation in brain injury
11:30-11:50 N. Ferguson Extubation failure and delay in brain injured patients
11:50-12:00 Discussion

Wednesday, November 16/11

ARDS - New Frontiers

Moderators: N. Meyer - F. Lamontagne

C	10:30-10:50	T. Thompson	ARDS trials: Time for more splitting and less lumping
	10:50-11:10	N. Meyer	Translating genetic risk into ALI therapeutics
	11:10-11:30	B. Winston	Exploiting "omic" technology to identify novel molecular targets for the treatment of ALI/ARDS
	11:30-11:50	C. Dos Santos	'Omics' to identify therapies in ARDS
	11:50-12:00		Discussion

Plenary Session

Moderators: A. Slutsky - R. Fowler

EAST	12:00-12:30	R. Tubb	Grand Rounds with the President's Doctor: The White House, Air Force One, and around the world
	12:30-12:40		Questions

12:30-13:30

Lunch - in Exhibit Hall

Organ Donation

Moderators: M. Sharpe - S. Dhanani

EAST	13:30-13:50	B. Kavanagh	Organ donation in the Pediatric ICU
	13:50-14:10	M. Sharpe	Maximizing organ/tissue donor pool
	14:10-14:30	A. Baker	Update on Donation after Cardiac Death (DCD)
	14:30-14:50	M. Cypel	Outcomes of DCD lung transplantation in Canada
	14:50-15:00		Discussion

AC Bryan Symposium - Understanding Physiology **Moderators:** J. Granton - S. Magder

A	13:30-13:50	A. Baker	Understanding Cerebral Perfusion
	13:50-14:10	S. Magder	Understanding Esophageal Pressure
	14:10-14:30	J. Granton	Understanding PVR
	14:30-14:50	A. Slutsky	Understanding Va/Q
	14:50-15:00		Discussion

15:00-15:30

Break - in Exhibit Hall

Withdrawing & Withholding

Moderators: T. Stewart - D. Scales

EAST	15:30-15:50	D. White	Clinicians' Conscientious Objections to Provide Life Support to Patients with End Stage Illness
	15:50-16:10	R. Fowler	Going Against Family Wishes - A Physician's Experience
	16:10-16:30	H. Underwood	Where is the Law Today?
	16:30-17:00	Panelists	Case Based Scenarios